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Datasheet for ABIN910860
anti-PPARGC1B antibody (AA 901-1023) (Cy7)

Overview

Quantity:	100 µL
Target:	PPARGC1B
Binding Specificity:	AA 901-1023
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This PPARGC1B antibody is conjugated to Cy7
Application:	Western Blotting (WB), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p))

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human PGC1 beta
Isotype:	IgG
Predicted Reactivity:	Human, Mouse, Rat, Dog, Cow, Pig, Rabbit, Guinea Pig
Purification:	Purified by Protein A.

Target Details

Target:	PPARGC1B
Alternative Name:	PGC1 beta (PPARGC1B Products)
Background:	Synonyms: PERC, peroxisome proliferative activated receptor, gamma, coactivator 1,

Target Details

peroxisome proliferator-activated receptor gamma coactivator 1 beta, Peroxisome proliferator-activated receptor gamma coactivator 1-beta, peroxisome proliferator-activated receptor gamma, coactivator 1 beta, PGC-1beta, PGC-1-beta, PGC-1-related estrogen receptor alpha coactivator, PGC1, PPAR gamma coactivator-1beta, PPAR-gamma coactivator 1-beta, PPARGC-1-beta, PPARGC1, Ppargc1b, PRGC2_HUMAN.

Background: Plays a role of stimulator of transcription factors and nuclear receptors activities. Activates transcriptional activity of estrogen receptor alpha, nuclear respiratory factor 1 (NRF1) and glucocorticoid receptor in the presence of glucocorticoids. May play a role in constitutive non-adrenergic-mediated mitochondrial biogenesis as suggested by increased basal oxygen consumption and mitochondrial number when overexpressed. May be involved in fat oxidation and non-oxidative glucose metabolism and in the regulation of energy expenditure. Tissue specificity: Ubiquitous with higher expression in heart, brain and skeletal muscle.

Molecular Weight: 113kDa

Gene ID: 133522

Pathways: [AMPK Signaling](#), [Intracellular Steroid Hormone Receptor Signaling Pathway](#), [Regulation of Lipid Metabolism by PPARalpha](#)

Application Details

Application Notes: IF(IHC-P) 1:50-200
IF(IHC-F) 1:50-200
IF(ICC) 1:50-200

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % Proclin300 and 50 % Glycerol.

Preservative: ProClin

Precaution of Use: This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.

Storage: -20 °C

Handling

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months